Scope

W6NWG

Palomar Amateur Radio Club Inc.

POST OFFICE BOX 1603, VISTA, CALIFORNIA 92085-1603

W6NWG/R => 146.730- & 449.425-
KA6UAI/R 147.130+(Patch)

MADE IN USA

145.050(Pkt)(NET/ROM NODE)
WA6IPD/R 146.175+(Patch)

PARC 446.000(s)
220 Club SD WD6HFR/R 224.900-

VOL XXVI, NO.6 JUNE 1991 55 YEARS

June 5th meeting(1st Wed) is at Lincoln Middle School Cafeteria in Vista. I-5 or I-15 to Rd.78, Escondido Ave(Sunset) ramp, north on Esc.Ave, after 2nd light between Eucalyptus and E.Vista Way. Talk in .730.

What you should know:

H A M C A L E N D A R

Jun 5 Wed - PARC CLub Meeting
Jun 8 Sat - PARC VE Test, AA6DM
Jun 12 Wed - PARC Executive Mtg.
Jun 21 Fri - 1pm Start F.Day work
Jun 22-23 - ARRL FIELD DAY W6NWG
Jun 16 Sun - Father's Day
Jun 30 EARLYBIRD DUES for 91-92yr
Jul 5,6,7 - PARC @ Del Mar Fair
Aug 18 Sun - PARC Picnic/Drawing
(Send calendar items to W9FQN)

C O N T E N T S

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L A S T C L U B M E E T I N G

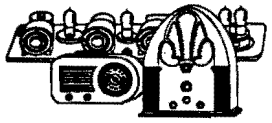
The May 1st program consisted of Brian-KF6BL talking about his interesting experiences with military radio in Saudi Arabia. They handled 1000's of messages under poor communication and operating conditions. Their extensive use of ladies' panty hose was quite interesting. Dennis-N6KI, our FD whip, talked about our Field Day effort REQUESTING HELP, RIGS, and TRAILERS or MOTORHOMES. Larry-KC6PEN checked member's deviation with the club's deviation meter.

SHOW and TELL was by Al-WA6MYC (3mi north of Mexico) who showed his newly constructed SWR meter and antenna bridge - for those who need a bridge over to their antennas.

Attending were 71 members and 17 guests (total 88) who enjoyed the coffee and goodies. Art-KB6YHZ supervised the coffee and the refreshment table although I did see Larry-KC6PEN (Kieko's OM) doing something at the table. THE GOODIE TABLE NEEDS GOODIES SO WHY NOT BRING SOMETHING FOR NEXT MEETING. Thanks.

N E X T C L U B M E E T I N G

Our next club meeting will be June 5th at 7:30pm in the Lincoln Middle School on Escondido Avenue in Vista. The program will be by Terry Dubson-W6MKD with slides of his DXpedition to Western Somoa (remember the one to Russia?). This is a meeting you can bring your family to see and we expect another "full house."



SHOW AND TELL will feature: 1) whatever you bring in and 2)Dennis with some Field Day items.

W A N T to B E a H A M ?
(or Dial-a-Ham)

If you or a friend are interested in becoming an amateur radio operator or in joining the Palomar Amateur Radio Club, please contact one of the ELMERS listed for more information:

- - -

VALLEY CENTER . Stan Rohrer . W9FQN
(President, Editor(temp) 749-0276)
VISTA . . Jack Hanthorn . . KI6JM
(Vice-President, 598-0420)
BONSALL . . Nash Williams . . W6HCD
(Secretary, 728-3574)
CARL$BAD . Benton Caldwell . KK6LX
(Trea$urer, 729-5161)
ESCONDIDO . . Jo Ashley . . KB6NMK
(Membership Chairwoman, 741-2560)
CARDIFF: Duane Stedman:WB6R:753-4821
CARLSBAD:EleanoreCall:N6QJE:729-0850
DEL MAR:GerrySanford:KC6BJM:755-5244
ENCINITAS:DaveCopley:WA6HQM:753-2605
FALLBROOK:ArtRideout:WA6IPD:728-6834
La MESA: Roger Jaffe: N6UUW:697-6025
LAKESIDE:Mac McBride:WB6GXR:561-2211
LEUCADIA: Bud Lincoln:KG6VX:436-9983
LinVistaPaulWilliamsonKB5MU:571-8585
MIRA MESA: Ron Earl: W6TXK:566-1959
OCEANSIDE:LarryGugle:KC6PEN:439-4109
OCEANSIDE: Lloyd Hunt:W6TFB:757-9374

PAUMA-PALA:Mark Ross:KC6CZO:742-1539
PointLom:MickMcDaniel:W6FGE:222-3912
POWAY:MarkSchlesinger:N6NNI:748-8391
RAMONA: Vernon Leming:AA6UU:789-3070
RanchoPen:John Tentor:W6OLQ:672-3891
RanchoS.Fe:RonWilhelmy:WI6B:756-3133
S.D.:Dennis Vernacchia:N6KI:271-6079
SanMARCOS:FloydHarvey:W6JSP:741-8391
SanMARCOS:RustyMassie:AA6OM:747-5872
SolanaBe:LouBroadbent:N6CKQ:755-9179

MIRA MESA: Ron-W6TXK sometimes conducts classes so contact him for the latest information on the starting of his new classes, 566-1959.

POINT LOMA NOVICE INSTRUCTION and TESTING: contact Mick McDaniel, W6FGE and friends, 222-3912.

EL CAJON: covered by the El Cajon Club with Bill Smith-KB6MCU as the instructor (582-2313).

Escondido ARS sometimes conducts classes. Contact KB6NMK, 741-2560.

PARC has some code tapes available if beginners find some of the "starter" packages a little too expensive, but you will need a current test booklet. We also have IBM compatible disks of a great code program available at club meetings. If you have a good code program, please make up a disk with it and several other programs for us to get new hams started. The club will exchange disks with you. We need programs for Apple and C-64's. We presently have programs for IBM and Radio Shack Mod III & IV.

One of our members from Fallbrook, Ray-KK6CA, has consented to make up special code tapes for those wanting special types of code practice material. Please bring in your blank cassettes and be prepared to tell Ray what type of practice you want.

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E X E C U T I V E M E E T I N G

The Executive Committee, consisting of the officers of the Club and the Chairmen of its committees, meets at 7:30 p.m. on 2nd Thursday after the club meeting at the home of various of its members. You are welcome to attend these meetings. Contact any executive member for additional information on executive committee meetings.

5-9-91 DISCUSSED: W6INI ltr; programs; club finances; rpt update; autopatch improvements by WB6FMT; answering machines; FILMARS 220 rpt request to be in bunker (still gathering info); selling & trading club HF beams; letter to ARRL requesting help on regulations problem; new repeater in bunker; control circuits for new battery bank; possibility of new building (again); work parties; Field Day $$ needs; and other things to humerous to mention.

A request by FILAMARS (FILipino AMerican Radio Society) for rental space in the bunker for their 224.26MHz repeater was put on hold for the following reasons: 1)heat build up in PARC bunker during the summer with all of our present repeaters is excessive, 2)we have limited space and we were not completely assured that their space requirements were completely assessed, 3)there was no indication of their control equipment, 4)it was felt that they would have to add at least four additional cavities to their system and the 220 Club of S.D. repeater, 5)the 220 Club of S.D. repeater on 224.9(-) sees little use at present and FILAMARS was invited to make use of it, 6)there needs to be a computer intermod study done by W9FQN on all frequencies at the site, and 7)there was some question as to how "open" their group was to the general amateur community. Discussions are still being conducted with FILAMARS and a recent discussion (5-12) has cleared up some of the questions being asked. In the past there has been a request for a 223.4MHz & a 10m digipeater ports to 145.05 which has also been placed on hold.

APPROVED: FD $200; 450 SS beam $70; Rope order for FD and members $195; Repair of shed $100; WB6FMT to head up new autopatch system (4); purchase of 12 VHF transceivers (11 new) & microphones $590.

IN ATTENDANCE: (officers) Stan-W9FQN, Jack-KI6JM, Nash-W6HCD, and Benton-KK6LX; John-WB6IQS (Technical). The May meeting was at Stan-W9FQN's QTH and we all enjoyed the water and apple cobbler made by Barbara-KA6FPS (in her spare time). The June 12th meeting will be at W9FQN(#2), Valley Center.

##

del P R E S I D E N T E #7
(after #7 comes #6!)
(and temporary editor)

We will again need members to staff the SANDARC amateur radio display booth at the Del Mar Fair on July 5th, 6th, and 7th (Fri-Sat-Sun). We need three shifts of two amateurs per shift (6/da) to operate equipment and to answer questions about amateur radio. I made a suggestion that SANDARC give out code certificates to all who c send their complete name by Morse code - the sound and action should help get more of the youngsters to stop in to see us. We will also take messages for the evening traffic net. If you can help and would like to team up with someone you know, please contact Barbara-KA6FPS (749-0276) to pick your time spot, 10-2, 2-6, & 6-10 each day. If you have children or "grand" kids, take them to the Fair and you can sit down and Ham it up at the SANDARC booth. Remember, YOU get a free ticket and a good place to sit down which should make the Fair more enjoyable for you and not so rough on the old pocket book.

- BK -

My appoligies to Phil-WF6L and the Potter Jr. High School for their "missing" artical (see this issue) and to Eleanore-N6QJE for her re-write of CAMEO. Both items were typed into the computer - and lo Unknown to me, my #1 disk drive on

my old TRS-80 Mod IV was operating intermittantly (now is dead) and I was not aware that some items were eing saved and others were being dumped into that giant "bit bucket" in the sky. I also had two files named POT: Potter Jr. HS and Potpourri with disatrous results.

And then our answering machine tape "got dumped" accidentally about 2am one morning in May and we know that it had at least three of the seven calls from amateurs, according to KA6FPS ...sorry, we don't know who you are ...so thats why I never returned your call(s). If at first you don't succeed, try, try, again - please.

- BK -

Because of Field Day, I will not be bringing guy rope to the club meetings until July.

73, Stan W 9 F Q N

R E M I N D E R

If your mailing label indicates PRC9106, then this is your LAST issue of the SCOPE and it is time to renew your membership immediately.

N E W S L E T T E R H E L P E R S

- May 1991 SCOPE -

Members,Ads,Label,JoAshley .. KB6NMK
Membership Data, Bill Whipple N6COU
Billing Ad, etc, John Tentor . W6OLQ
Folding/Staples, Jack Hanthorn KI6JM
also provided QTH & refresments
Folding/Staples, Lloyd Hunt .. W6TFB
Stapler*. . . .Eleanore Call N6QJE
Sorting . . . .Benton Caldwell KK6LX
Printing/Forms, Stan Rohrer . W9FQN
Printed 470 Mailed 446

Without these people life would certainly be difficult. THANKS!!
*One staple/SCOPE Eleanore!Sometimes she gets carried away with our new automatic electronic stapler.
Bill-N6COU had an operation in April but still did the roster & labels.

##

R E C O G N I T I O N of ->
(thanks)

Jack-KI6JM for writing an artical for the VISTA PRESS, April 28th, and for updating their organization listing which listed Paul Dorcey as president and his telephone number ...that was about 10 years ago!

- BK -

Tony Helbling-KA6TNI in Oceanside for the donation of a 21 foot, 16 element, 2-meter Hy-Gain beam which the club can put to good use at Field Day.

- BK -

Gary-KC6BJM, Ellen-N6UWW, and Bob-WA6QQQ for their communications effort in the Encinitas Flower Festival bike race. I also heard non-members: WA2NNT, N6WWV, N6ELP, and N6WWC.

- BK -

Eleanore-N6QJE for information on the stealing of avocados in North County - we have probably "lost" about 6 dual-band HTs worth over the past two years.

- BK -

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OF COMPANIES
Agent

TIM HOY -KI6TG-

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619-466-9770
8911 La Mesa Blvd., Suite 103
La Mesa, CA 92041

Carl-N6NZX sent me some pictures of the damage at the repeater site which has helped us plan on what needs to be taken to the site.

- BK -

Tim-WA1ZEN for sending me the latest copy of the ARRL numbered messages.

- BK -

Joe-N6YMD for consenting to help Larry-KC6PEN, net manger, with the Thursday evening HAM HELP NET.

- BK -

Felix-N6IE for the donation of a kit for A PORTABLE QRP 20m CW TRANSCEIVER, December 1990, QST, page 45. This is a neat little rig. Anyone interested in building it for the club ...and using it for a while to see if it really works? Contact W9FQN if you are interested.

- BK -

Charles Fulcher-KE6SE for the donation of a 6-element triband beam which will be put to use in one of the club's projects - or traded for another beam that we need.

>##<

> F I E L D D A Y 1 9 9 1 <

June 22nd and 23rd

Field Day is a chance for us to demonstrated to others and to ourselves that we can function under emergency conditions. All club members can participate in some way. We need loggers, antenna helpers, go-fers, and operators. NEW AMATEURS should especially plan on participating even if it is only in some small way so that you get a picture of emergency amateur radio in action. Bring your family - and friends. You will see one of the best planned and executed club emergency stations in the USA in action.

We especially need amateurs who are working on their code speed and are getting close to 13wpm for the Novice-Tech station so that we can use this station throughout the evening hours on CW. The Novice-Tech station can also use operators for 10m SSB during the day. Bring a friend and help the club get some "free" contacts.

The club can use loggers (computer operators) in almost all positions so contact Bud-KB6VX or Dennis-N6KI for assignments. You might not get to operate the first year but you would be paired up with a good operator and you could learn how it is done ..then next year you could be an operator.

Our free-standing crank-up towers are mounted on well casing and just sit on top of the ground with weights and guys holding them in place. They can be carried on a pickup truck easily. Our beams are full size mono-banders and they are large. Our Field Day antennas are probably better than 99% of all home stations so come out and see what amateur stations can look like.

One of our "new" towers has two bad spots that need welding. If anyone has a portable welder, we need to get this repaired before FD. The tower can be brought near an AC outlet. Please contact W9FQN 749-0276.

Dennis-N6KI indicates that Paul-KB5MU will be at the site with a portable satellite station making contacts for us. If you have never seen satellites being worked, this is a good chance for you to see what is needed for contacts.

Field Day will again be in Valley Center: north of Escondido on I-15 11mi, Gopher Canyon off ramp east, North 100 yards old 395, east 2.5mi Circle R Drive, right (south) Circle R Lane, ...and you can't miss us! Talk-in 146.730. Remember, you get a participation ticket for the drawing if you SHOW UP ...and sign-in.

```
N.I-15 ↑ old 395
       ↑  Circle R Dr.
       ---->----------+-<-
Gopher ->  2.5mi      .5mi
  off        ↓        Cir.R.Ln
 ramp        ↓        >FD Site<
  Escondido          W 6 N W G
```

AMIGOS, SEE YOU AT FIELD DAY.
Bud-KG6VX, Dennis-N6KI and the gang.

##

R E P E A T E R S, etc.

TECHNICAL: John Kuivinen.....WB6IQS
- - TRUSTEES - -
W6NWG/R: Ron Wilhelmy ...WI6B->
145.05(s)pkt 146.730(-) 449.425(-)
KA6UAI/R: Erik Thompson, 147.130(+)
WA6IPD/R: Art Rideout, 146.175(+)
WD6HFR/R: Ron Berger-NE6T,224.900(-)
(All CTCSS(PL) tones are 107.2Hz)

Remember that when you put the "PL" on Erik's 147.13 repeater -or take it off- that you need to give your call letters. Otherwise, it is an unidentified transmission and contrary to FCC rules. Also someone(s) is using TT coded squelch without their call letters and at present the person can't be contacted because they are operating TT coded squelch too. It won't be long before we have their "number(s)" and calls. If this continues without call letters, we will mute the repeaters so that NO tones will pass through them which will solve the problem. We suspect a non-club member who won't be reading this.

- BK -

WORKPARTY (05-05-91): John-WB6IQS installed a PL of 107.2Hz on the output of the 449.425(-) repeater like we have on the 146.730(-), 146.175(+), and 147.130(+) repeaters so those of you with the new rigs can use your PL Decoded Squelch to eliminate audio from other repeaters. TASMA should require ALL repeaters to have encode-decode INSTALLED with encode ALWAYS activated and decode activated ONLY when required by TASMA or when interference is observed by the control operators. We are 100% encoded and you will never again have to listen to the trash on the frequency, if you have a decoder in your transceiver. John also worked on the emergency power supply for the 450 repeater and located the trouble.

Stan-W9FQN fiberglassed the cracked battery. John, Stan, Fabian-AF4V, and Bob-WA6QQQ, lifted it into its plywood support base. It is now on charge and not leaking. We hope to move it up into the battery rack within the next two weeks after the fiber glass sets up. Stan also did a partial repair on the autopatch antenna and put up a 2m/450MHz diamond antenna which will need to be connected up to coax. A 2nd black box was installed in the repeater building. John brought up the new charger for the 2x1680 AHr battery banks and will bring up the controling electronics when it is finished.

The 220 Club of San Diego took down their 220 mast and repaired the damage to their control antenna which was hanging by its coax: Bob-WA6QQQ, Steve-K6PD, Darrell-WA6ZMQ, and Fabian-AF4V. They were helped by Stan and John as needed.

This was one of the worst winters we have had at the site with two damaged antennas (one ours, one 220 Club), two corner reflectors rotated 90 degrees, and damage to the battery shed roof due to four feet of wet snow. One pine tree crashed to the ground and two others had big sections broken out of them. Several other trees lost big branches but none were near the tower or building. We are glad our last tree trimming party removed possible problems.

Our neighbors to the back-right were using part of our property to enter their property and we are piling logs, telephone poles, and limbs along that property line to re-establish our ownership of the back edge of the property. We even cut a new path for them to use which they appear to be using.

- BK -

WORKPARTY (05-12-91): Jim-KC6PAS/kt, Steve-N6UIA, and Stan-W9FQN arrived early and installed the repaired 1680AHr battery into its final resting place in the new battery rack. The cells were then connected into batteries and charged at 1.2A trickle charge. Battery "A" consists of seven 2.2volt cells (15.4v) at 1680AHr and battery "B" has the same rating. Mike-KC6KCQ and friend showed up on time and received a "tour" of the facility. Repair materials for the roof of the battery shed were delivered but not used. Steve, our expert woodsman, cut up most of the tree sections that were broken out of the trees this past winter when 4 feet of wet snow fell destroying several lar

FREE ADS FOR MEMBERS

trees and branches -besides damaging two of our antennas.

On the way back down the mountain calculated that from the top of Palomar Mountain to the bottom one averages a drop in altitude of about 410 feet (408') per mile or 41 feet per 0.1 mile which means you can calculate your altitude from your odometer reading if you set it to zero at the 3,000 or 5,000 foot level. The grade is about 7.7%. What idle minds won't think of next.

- BK -

REPEATER RULE #7: The tool or coax connector you need at the repeater site is always on the work bench at home - an 80+ mile round trip!

How true, how true! One of the groups at this last work day forgot a coax connector and ended up trading a whole bag of connectors for an adapter that John happened to have in his extensive collection. John has had a lot of experience making trips to the mountain and when he comes up to the mountain to work, the back end of this truck is loaded with boxes of all sorts of things that he just might possibly need to fix that unexpected problem.

- BK -

Our repeaters in the PARC bunker on Palomar Mt. at 5,600' cover 2,000 sq.mi. of SD.Co. and 100+ miles out to sea. It is club policy that these repeaters are open repeaaters FOR CLUB MEMBERS AND OCCASIONAL TRANSIENT USERS with the AUTO PATCHES being ONLY for club members. Be FRIENDLY to those that you talk to, and INVITE them to support the club with their membership. You can check their membership in PARC by asking them if they have seen something in the most recent SCOPE.

A U T O P A T C H E S on 147.130
KA6UAI/R: Erik Thompson..#1..KA6UAI
ENCINITAS + surrounding towns
KA6UAI/R: Jerry Houser...#2..WB6FMT
VISTA + the surrounding towns
KA6UAI/R: Dennis Vernacchia #3 N6KI
SAN DIEGO (activated Spring? '91)

A U T O P A T C H on 146.175
WA6IPD/R: Art Rideout #4 WA6IPD
FALLBROOK + surrounding towns

On the KA6UAI patch in Encinitas we have noticed that it does not like to have digits druuuug ouuuut. For example: 430 threeeee threeeee threeee zeroooo fails to get through while 4.3.0 .3 ..3 ..3 ..0 meets with more success. It appears as though the system has troubles telling whether a threeee is one three or two of them when drug out. If you have problems, you might try sending the numbers as if they were "dits" rather than "dahs" on your TT pad. Another problem is that some people are trying to dial from Encinitas a number that should have been dialed from Vista and of course, they will get a reject from Encinitas. You need to know the areas covered by the Encinitas and Vista autopatches.

- BK -

Several club members have given autopatch codes to their friends. These numbers will be locked out soon which will also lock out the number for the club member. Club members receive the SCOPE and are able to read the latest information on the patches while non-club members are not aware of club policy on the autopatches as published in the SCOPE.

##########################

F O R S A I L

(5-17)Ultimate transmatch, Murch Mod UT-2000A 80-10m 2kw ant tuner exc cond $100: Dennis-N6KI-271-6079-SD

- BK -

(5-17)Westcom 2m 90w amp $70; Ten-Tec mod 238 2kw ant tuner $275; B&K mod 1400 scope calibrator $90 and - New ARRL books: Handbook $22.95; Now You're Talking $17.95; Repeater Directory $5.75; Callbooks N.American $24.50 & International $24.50 w supplement $9.95 ppd & + 6.5% tax: Duane-AA6EE-16832-Whirlwind-Ramona-CA-92065-789-3674-Ramona.

- BK -

(5-4)50' Rohn TOWER 56H (non-tubular) $??: (Past Pres) Ed-N6GZI-297-7758-S.D.

- BK -

(5-2)Kenwood TS940S mint xcvr $1350; ICOM211 2m all mode xcvr #350; RF Labs V76 6m solid state amp 8-15in 100-120w out $250; MFJ-989B 3kw ant tuner new $250; Hustler 54" fiber glass mast $15; Hustler RM-40 ant $12; bumper mount-ball spring $30; Johnson LP Filter Mod 250-20 1kw $15; Cushcraft Ringo Ranger 6m $30; Astro PS-RS4A new $35; B&W coax sw 594 $20; Autec ARM-QF1A-AM-CW-SSB filter $40; Hy-Gain Ham IV rotor new cond $250; B&W coax sw 5 pos mod 550A $20; JW Miller coax sw 2 pos mod KS-002 $15: R.F. Krist-W6KTE-941-3555-Vista.

- BK -

LARRY E. GUGLE
-KC6PEN-
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PARC member
25 years communications equipment maintenance experience for the USMC. Specializing in HF & VHF Transceiver & RF power amplifier repairs by appointment.

(4-22)Corsaire II Ten Tech xcvr 80-10m 100w 4yrs old, $$$; and other HOT items: Felix-N6IE-277-8587-SD

- BK -

(4-18)HEATHKITS SB-221 HFamp 1KWcw 2KWssb w/manual $225; IG-102 RF SigGen 100KHz-220MHz 2/man $35; EICO 232 VTVM 2/man $35; CHUSHCRAFT 10-3CD 3el 10m beam w/man $65; ASTATIC D-104 mic w/stand and amp inop. $25: Eric-XE2/KB6EPO-82-02-83-Tijuana, WANTED-TRADE for R-5 vertical ant.

Incredible Prices!

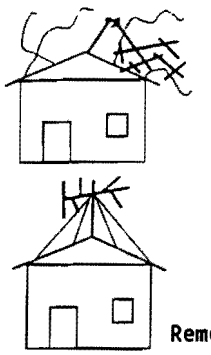
- BK -

(3-17)1w AM BC xmtr can be converted to 160-40m, schematic, case, meters, mic, used as PA system in hotel, $50: Ray-W6BHF-487-4423-poway.

- BK -

(3-15)54'Tri-X "motor up" heavy duty TOWER: Jack-WDODLW-728-0258-Fallbrook.

- BK -



If your antenna system looks like this and you want it repaired, replaced or even removed, please call for a free estimate! Radio Systems, Installation, Repair and Removal, Interference Resolution Edward Ross

542-1405

Antenna Specialties N6GZI

(2-15)Nicholas Andree of HIWAY COMPANY, intersection of Wisconsin and Hill streets in Oceanside is back in business and wants to sell off all of his electronic goodies as soon as possible. No reasonable offer will be refused. Nick indicates he will also donate 10% to PARC from items sold to amateurs. Here is your opportunity to really get some good "deals" and help the club too. It would be good to give Nick a call at his home first, 967-7225, to make sure he will be at the store. Nick has been giving PARC some great deals.

- BK -

(1-2)TEN TEC ARGOSY 5-50 watt xcvr with mike, pwr supply, manual: Reasonable Ron-WI6B-756-3133-R.SF.

- BK -

R E M I N D E R

If your mailing label indicates PRC9106, then this is your LAST issue of the SCOPE and it is time to renew your membership immediately.

W A N T E D **NEW**

Old tape answering machine to be used in a PARC information service for new hams and prospective amateurs: PARC-W6NWG-749-0276

- BK -

A PARC member who can send COMPUTER CODE Wednesday evenings over 146.730 as a back-up to W9FQN and N6NZX. IBM's and C-64's work fine for this. We would also consider your being able to just play a recorded TAPE which we can furnish to you: Stan-W9FQN-749-0276

- BK -

(5-17)Kenwood TS-520/820 xcvr; 200w ant tuner; digital voltmeter: Duane-AA6EE-789-3674-eve-Ramona

D O N A T I O N S

If you don't know what to do with it, donate it to the club. Donated items are sometimes used in club projects or are taken to a swap meet for sale with the resulting $'s going into the club Equipment Fund which pays for equipment used at the repeater site or for Field Day.

##

M E M B E R S H I P I N F O

PLEASE CONSIDER RENEWING SOON EVEN THOUGH MOST MEMBERSHIPS DON'T RUN OUT UNTIL JULY. Jo-KB6NMK (membership chairwoman) and Bill-N6COU (giant computer operator) have to do a lot of work to keep their records updated and it really helps to receive your membership dues EARLY so that they don't get SNOWED IN during the middle of July with 400+ renewals. You can also help by joining for 2-3 years (please pay by check) which reduces their work load by 50-70%. At 100 seconds per member, Jo and Bill will EACH have to put in over 10 hours processing club records. They get paid about as much as I do so take pity on them! de W9FQN

NEW: David Knab, W6MVC, San Diego; Mike Hoggatt, KC6TYX, Escondido; John Bescher, N6SMW, Rancho Santa Fe; Emil Guilas, N6ZH, Chula Vista; Fred Sinn, WB6RB, Carlsbad; Scott Balderrama, KC6TSR, Esccondido; John Koenig, W6WFF, San Diego; Rod Dinkins, AC6V, Oceanside.

RENEW: James O'Berry-WT7W; Mat McCormick-KA6QQF; Bill-KE6BH (3yrs); Sam-WB4YQU (2yrs); John-N6URW (2yrs); Charles-K6ERW; Chuck-W6IRM; Loreen:N6RAO; Ron-WI6B; Benton-KK6LX; Gene-K6PP; Hagar-WA6QWU; Paul-KA6PPD; Floyd-W6THU.

NEW ASSOCIATE: Darren Crouse, Escondido; David Pressman, Del Mar (14yr old); Ralph Powell, San Marcos.

CHANGED: Associates Gary Steinberg to KC6TYU, Art Steinberg to KC6TYZ, Greg Rosler to N7RDJ and James Pratt Jr. to N6NHY (2yrs).

MOVED: Howard Gates-W4NYU to Las Vegas.

James-N8NHY goes to Japan 27th April, hope Ralph Powell gets a gud call and tnx fer the note, Rod-AC6V working on new house and enjoys QSO's with club members on repeaters, John-W6WFF wrks fer SDG&E in Telecom, & thanks to all those making comments on their application blanks.

A special thanks for those renewing for 2yrs: N6URW, N8NHY, & WB4YQU. And to KE6BH for renewing for 3yrs. This really helps our overworked and poorly paid membership people and saves them lots of time (2-3 years worth).

##

P A R C V E T E S T I N G

FCC LICENSE EXAMS in N.County are conducted by the PARC VE Team at the Joslyn Sr.Ctr, (behind City Hall) 111 Richmar Ave, San Marcos on the 2nd Sat. of the month at 1000 Hrs. Walk-ins are not encouraged.

APRIL 13th

NOVICE->TECH: Pat Christensen-pending, Ron Henderson-KC6OWG, Jef Withers-pending.

GENERAL->ADVANCED: Pete Gallagher-

KC6SCE.

OTHERS: Harry Austin-el 2, Dawn Dore-el 2, James Pratt Jr-el 3B.

VE TEAM: Sam Burdette-W6YYV, Paul Williamson-KB6MU, Mark Moskowitz-AA6TR, Bob Chantrill-KE6VX, Bob Rice-KS6S, David Dutcher-AA6KY, Jack Hanthorn-KI6JM, & Rusty Massie-AA6OM.

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MAY 11th

NOVICE->TECH: Christopher Allen, Sherry Hiltz, James Kirkes, & Mary Shettel-Neuber.

TECH->GENERAL: Janet Hafner, Robert Jones, & William Steinwedell.

GENERAL->ADVANCED: Jeffrey Withers.

OTHER: John Jacobs-el 1B.

VE TEAM: LLoyd Hunt-W6TFB, David Dutcher-AA6KY, Duane Steadman-WB6R, Bob Chantrill-KE6VX, Jack Newlove-AA6UQ, Bob Rice-KS6S, Jack Hanthorn-KI6JM, & Rusty Massie-AA6OM.

Other SANDARC-VEC exams: 1st Sat.El Cajon, 3rd Normal Heights, 4th Chula Vista, & last Escondido ARS.

Applicants must send a SASE (Self-Addressed Stamped Envelope), a completed, signed FCC Form 610 (NO PHOTO-COPIES) and copies of license(s) and certificate(s) of successful completion, if any, to SANDARC-VEC. PO Box 2446, La Mesa, CA 92044 10 days B4 the test date. Bring ORIGINALS of licenses & certificates. Questions: call SANDARC 465-EXAM.

The advent of the no code technician class, as well as greater numbers of other candidates, has prompted SANDARC to suggest that we recruit Advanced and Extra Class Volunteer Examineers. If you could donate two to four Saturday mornings per year to help test at the San Marcos test site, please contact me at the numbers below.

The requirements are only that you hold one of the above class licenses, don't have a conflict of interest such as working for a Ham equipment manufacturer, and have never had your license revoked.

There has also been some interest recently in forming a test group to test on Tuesday or Wednesday nights, probably in Poway. This may be a monthly or bi-monthly test session. If you would like to participate in this session, let me know.

de A A 6 O M, Rusty Masse
747-5872, 1249 Nordahl Rd, Esc92026

##########

G E N E R A L N E W S

POTTER JUNIOR HIGH SCHOOL: Phil Leonelli-WF6L's JR High ARC in Fallbrook made contact with astronaut Ken Cameron-KB5AWP aboard the space ship Atlantis. Ken reported seeing good amateur TV from Los Angeles and also made contact with Phil's amateur radio class through Art's WA6IPD/R repeater (146.175) in Fallbrook for over 15 minutes. Phil's class asked Ken about space walking and the tools he was using during his space walk. Phil indicates that the NO CODE license really does not affect many of his students since most of them are interested in operating SSB on 10m and need the code for their license. WA6IPD/R was the first repeater on the West Coast to be used for space communications with the first contact on April 6, 1991.

SAREX (Shuttle Amateur Radio Experiment), helped by ARRL, tried amateur telivision and packet contacts but had trouble with uplinking although several SSTV downlinks were successful. SAREX encourages and helps astronauts obtain their amateur radio licenses.

- BK -

Bob Findlay-W6NZX, formerly on retainer by the club for working on our repeaters, called me long distance from Salt Lake City asking for Ralph and Pat's address in SLC. Can't understand why he can't find Ralph. Everyone knows Ralph! ..and Pat is the one in the wheelchair ..at least she was the last time we heard from them. Ralph, executive meetings are not the same without you and I need to get rid of being assistant editor before my Radio Shack Mod IV's all give up ...de W9FQN

- BK -

Sorry to hear that Mark Salzarulo-WA6DOC and Bill Whipple are not feeling very well. Also understand that Phil-KC6OEI was in the hospital. We wish them all a speedy recovery.

- BK -

Received a nice letter from Battalion Chief West, City Disaster Preparedness Officer for the City of Carlsbad thanking club members for their participation in the Carlsbad Unified School District Drill last month. He thought the connotation of "AMATEUR" radio was misleading - he thought we were "..highly competent, skilled and dedicated PROFESSIONALS."

- BK -

Our family (W9FQN-KA6FPS-N6QDB-N6YZZ) will again have a foreign student from Spain staying with us starting May 28th. She will be from Basque country like the boy we had last year. We try to give them as many experiences as possible during their stay here in the USA and if any of you have any suggestions or have something planned that she possibly might be interested in, please let us know about it and we

will see what can be worked out. She (Susana, not to be confused with our Susan-N6QDB) seems to be interested in all sports: tennis, bicycling, soccer, horses, camping, hiking, etc. So if your family is planning something interesting and could take along a guest, please contact us sometime soon. de W9FQN and family, 749-0276

- BK -

Karl Pagel-N6BVU (TASMA fame) writes that "effective 1-1-91, an amendement and addition to the California Penal Code makes it illegal to 'maliciously' receive transmissions from cordless telephones. This is from the California Peace Officers' Association 1991 Legislative Update Handbook." You need the consent of both parties in the conversation.

- BK -

TO ALL TECH LICENSEES: As of 14 February 1991 all Tech licenses issued by the FCC (including renewals) will be presumed to be NO-CODE licenses carrying operating privileges only above 30 MHz. However, it should be understood that FCC records will show which Technician class licensees have passed the code test. It would be prudent for Tech class operators operating on HF (amateur frequencies below 30 MHz) using Novice privileges to be prepared to show proof that they have passed a code test of 5 WPM or higher. This proof may consist of a previously held Novice license, or a Technician license dated before 14 February 1991, or of a CSCE (Certificate of Successful Completion of Examination) issued by a VEC sponsored VE team. These proofs should be retained as long as you keep the Technician license and continue to operate below 30 MHz.

Novice test procedures for new licensees remain unchanged - the code and the written tests may still be administered by two qualified amateurs. A Technician class licensee with a NO-CODE license may obtain the Novice level HF privileges by taking and passing a code test from a VE team under VEC sponsorship. He/she will be issued a CSCE for that test but will not receive a new or modified Technician license as a result.

An additional reminder for Technicians wishing to upgrade to General class or higher. Technician class licensees who achieved that level prior to 21 March 1987 get credit for Element 3B (General class written test) by showing proof of that fact. CSCE's for 13 or 20 WPM will be honored for upgrade only for one year even though they will be accepted indefinitely for NO-CODE Technician licensees using Novice operating privileges. de Harley Gabrielson, K6DS, Chairman, SANDARC-VEC Committee.

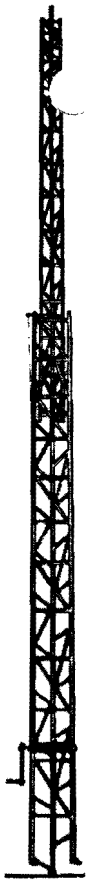
- BK -

Please note that the club's zip code is now 92085-1603. They changed us from the old Zip of 92083-0530. All box addresses now have a new Zip plus the box number is now part of the Zip. Guess that means you could just write 92085-1603 ONLY on the letter and it would get to us. Several years ago a family friend in Florida wrote a letter to my parents addressed WITH ONLY MY PARENTS 60th WEDDING PICTURE pasted on the front of the envelope and 46573 written below the picture. They did received the letter in Wakarusa, Indiana! HA, try that in California these days.

- BK -

Larry-WQ6V put us wise to the Vista Press running an artical on VOULENTEER HELPERS in their Sunday paper. VP Jim-KI6JM wrote up an artical on Bob Chantrill-KE6VX which ran in the 4-28 Sunday paper. It was good publicity for the club and amateur radio. Please, if you run across anything like this, let us know so we can take advantage of it. The artical follows:

> The Palomar Amateur Radio Club submits the name of **Robert Chantrill** as a special volunteer.
>
> Bob has been the volunteer station manager of the Vista section of the Radio Amateur Civil Emergency Service (R.A.C.E.S.) for the past four years, recruiting and training amateur radio operators to serve as supplementary communications sources in time of emergency. R.A.C.E.S. is a member of the Emergency Service Division of the San Diego County Sheriff's Department.
>
> Perhaps of more immediate interest is the work that Bob hs done since last October in handling radio messages from our service personnel overseas. These messages arrive by way of the Navy Military Affiliate Radio Service (Navy MARS) from such places as Japan, Okinawa, the Philippines, ships at sea, and from the Persian Gulf.
>
> From Navy MARS, the appropriate messages are passed to the San Diego County Traffic Net, run by the Palomar Amateur Radio Club through our repeater station high on Mount Palomar. Amateur radio operators who participate in the net receive the messages and either deliver them locally to the families of the servicemen or pass them on to another net for delivery in other areas. Bob has done both.
>
> Since October, he has personally handled more than 200 messages from servicemen, delivering some and passing the others to another net to the north for delivery in the general area of Orange County, San Bernardino County, Los Angeles, and as far up as Santa Barbara. Over half of these messages from servicemen overseas were from the Persian Gulf area.



- BK -

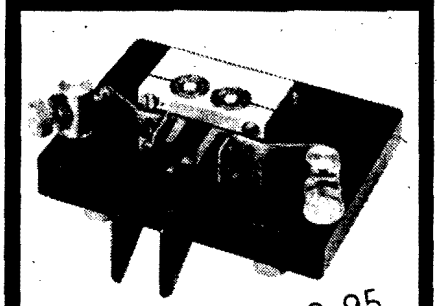
de Betty KB6DGR to W9FQN and PARC: 4-26-91, everything great ..galavanting and learning where everything is all over again ..boy, has it changed ..after only 12 years ..applied for call sign plates ..after 2 tries I now have a Minn. license (drivers?) ..bugs just coming out ..packet not as much fun here ..too busy ..guess I will have to make some changes.

..and from a 4-8-91 6-page letter

to "Sir Henry" which was brought to the May club meeting, she wrote: ..antennas all up ..doing 10m packet ..planted 2 blue and 2 purple Lilacs ..still trying to find out where to unload the contents of my boxes ..73 & 88's Betty.

- BK -

KEY



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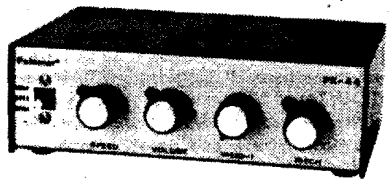

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Al-WA6MYC made several telephone calls from Chula Vista to the Newport Beach area for one of the Newport Beach-Ensenada sailboat racers.

- BK -

A Field Day planning session was held at W9FQN's QTH 4-26. Attending were Karl-N6WLX, Duane-WB6R, Art-K6XT, Orlando-N6QVW, Dennis-N6KI, Ken-KA5Q, Barbara-KA6FPS, David-AA6KY, Randy-WB6KYG, and Joyce-KC6TLW (observer). It appears that our stations will be (N6KI-20m SSB), (KZ6X-15-40m SSB), (K6XT-80-20-10m CW), (N6UZH-10m Novice-Tech), (W6YA-15-40m CW), (N6WLX-10-75m SSB), and (WB6KYG-VHF-UHF-Pkt) filling in as needed. We wish them the best of luck towards their 6,000 contacts!

- BK -

Nice letter de Charles-N6TEP who copied the Wed. Eve. code practice with his computer ..it did great on 13 & 20wpm with some problems at 5wpm & 40wpm. Errors at 40wpm could have been due to the tape recorder. I wonder if the computer could get a license?

##

N E T S

N E T S O N 146.730(-)

In general, repeater time is structured as follows:

Mobiles Hours	Traffic Nets	Special Interest	Open rest
6-8a,4-6p	2000Hrs	2100Hrs	of time

The SAN DIEGO COUNTY TRAFFIC NET(SDCTN) meets each evening at 2000 hours to pass messages within and out of the county. Please check into the net or listen for traffic in your area. Net managers are Joe-N6RVO, Chuck-N6TJT, and Rich-KI6ZH. Net controls are (M->S): Dave-WA6HQM, Joe-N6RVO, Tim-WA1ZEN, Warren-W6EYP, Chuck-N6TJT, Carl-N6NZX, Charles-N6TEP. SCNV liaisons are: Joe-N6RVO, Bob-KE6VX, and Rich-KI6ZH.

The Sunday NORTH COUNTY PALOMAR AMATEUR RADIO CLUB EMERGENCY SERVICE net meets each Sunday morning at 8:30am to disseminate ARES and emergency prepardness information to amateurs in North County and other interested amateurs throughout the county. Net manager is Stan-W9FQN. Other net controls are: Jo-KB6NMK, Carl-N6NZX, Mary-KB6NZA, Floyd-W6JSP, Nash-W6HCD, James-N6WTE, Elenore-N6QJE, Steve-N6UIA, Frank-WB6HFE, Norm-N6QQF, Larry-WA6UTQ, Marylee-N6WEG & Frank-N6WEF.

The Sunday morning SAILBOATERS SESSION net (SSS) meets each week at 10:00 am to allow sailboaters to talk about things of interest in Sailing. Also check 1000 Saturday mornings. Informal net controls are: Mark-AA6TR and Larry-W6QCA.

The Sunday evening AMATEUR RADIO EMERGENCY SERVICE (ARES) net meets at 9:00pm for the purpose of discussing the latest ARES organizational information. EC's Mark-KC6CZO (North County east of I-15) and Jack-WD6DLW (Tri-City) are responsible for conducting this net for ARES members.

The Monday Evening MICROWAVE NET meets each week at 2100 hours to disseminate information on microwaves. Kerry-N6IZS is moderator and net control. Other net controls are: Ed-W6OYJ, & K6DS. Suggest you join the micorwave group if you are interested in microwaves.

The Tuesday VOICE PACKET NET meets each week at 2100 hours to disseminate the latest information on packet. Paul-KB5MU is moderator and net control. Other net controls are: Mike-WB6HHV, & N6NKF. Suggest you join SANDPAC if you are interested in packet.

The Wednesday evening CODE PRACTICE NET meets each week at 2100 hours to help amateurs practice their code and to let you see what you present code speed is. Net controls are: Stan-W9FQN, Carl-N6NZX, & Mary-KB6NZA. We need more net controls who have computers that can be used to send code practice material and we could use several members who could play some of our tapes on tape recorders.

The Thursday HAM HELP NET meets each week at 2100 hours to help amateurs with their amateur radio related problems: transmitters, receivers, antennas, feedlines, etc. Larry-KC6PEN is presently net

manager. Net controls are: John-KK6IL-(1st), Larry-KC6PEN taking the rest of the month except for Joe-N6YMD who will take the Thursday executive meeting night.

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ARES uses 146.730(-) when they have emergencies and ARES has priority use of that repeater. The Animal Rescue group uses 147.130(+) for emergencies but must also accommodate ARES's overflow and use of the autopatches. Both groups will use 146.175(+) for local emergencies in the Fallbrook area.

O T H E R N E T S

The San Diego ANIMAL RESCUE NET meets on 147.130 during emergencies and has priority use of the frequency unless ARES has overflow and needs the autopatch. ARES has priority use of 146.730 during emergencies.

The RADIO AMATEUR COMMUNICATIONS EMERGENCY SERVICE (RACES) NET meets each Monday at 7:30pm on 147.195. Except for net nights, the RACES repeater uses a PL of 114.8 Hz but not for this net. Contact Frank-WB6HFE on the 8:30am Sunday net on 146.730 for more information about RACES.

D I S C L A I M E R S

Meetings at LINCOLN MIDDLE SCHOOL are NOT a function of the Vista Unified School Dist. & are NOT sanctioned by the school Dist. Board of Trustees. See!

Unless specifically stated to be club policy, opinions and statements set forth herein do not necessarily represent club policy even though the president is the temporary Editor. Nor do they necessarily represent the opinions of the authors on other occasions or under different circumstances. The Editor further disclaims any knowledge of anything - real or imaginary. Verily.

You can copy anything out of the SCOPE you want as long as you give credit to THE PALOMAR AMATEUR RADIO CLUB, Inc., and author(s).

##

P O T P O U R R I

PARC is a volunteer organization and with Jo-KB6NMK taking care of membership and Bill-W6COU operating the "giant computer." With 415+ members it takes them each almost 7-10 hours to process all of the renewals so if you can pay for 2-3 years at one time we can make their job a little easier and cut down on the LAST MINUTE rush to get the membership lists in shape for the new club year starting August 31st. Jo is asking that when you pay your dues that you give her a check to help keep us honest.

P L E A S E R E N E W N O W !

- BK -

OVERHEARD on 146.73

...have my 50 H.S. renunion this June - N6QJE ...my velcro corset keeps slipping - N6UWW.

- BK -

HAM STAMP PINS: Replica of ham postage stamp, $5. Contact an officer at the next meeting.

- BK -

JOIN THE ARRL: When joining or rejoining the ARRL, do it via the Club which will receive a modest stipend otherwise going to the ARRL. Make your check payable to the Club and get it, with your membership application, to our Trea$surer, Benton-KK6LX. NEW ARRL membership applications which include the PARC number (#1703), garner the Club $5 - and it doesn't cost you a fat farthing more!

- BK -

OFFICIAL CLUB BADGES: see John Tentor, W6OLQ, mtgs or 672-3891. John is so efficient at making these badges that they only cost club members $1 and he does them between ping-pong matches while plotting on his HP printer.

- BK -

NOVICE AND TECH frequencies of 3700-3750 have been changed by the FCC to 3675-3725KHz to reduce interference to Canadian amateurs.

- BK -

According to the 90-91 ARRL Repeater Directory, PARC is the 11th largest amateur radio Special Service Club in the United states with 370 members although we now have about ~~415.~~ 421

- BK -

FAIR RADIO SALES Co., P.O.Box 1105, 1016 E. Eureka St, Lima, Ohio 45802, is celebrating their 44th anniversary this year -wow! I have been ordering "war" surplus items from them for 38 years and they have the neatest catalog of things that you just "can't do without."

- BK -

Buying PRINT WHEELS for Diasy wheel printers can be expensive. In the past the wheels have cost me up to $21 each ..but no more. Bill Allbritton & Associates, 2603 Artie St (Suite 16), Huntsville, AL 35805, carries a full line of print wheels which you might want to look into. Mine have been costing between $4 and $9. If you mention the SCOPE and W9FQN, he will give you a $2 credit towards any purchase that you might make. Be sure to give him the name and model of your printer and the type of wheel you have been using.

- BK -

WHAT WILL HAPPEN TO YOUR AMATEUR RADIO EQUIPMENT? To avoid confusion

and uncertainty when that inevitable day arrives and to prevent some unscrupulous individual from taking advantage of your loved ones by "cashing in" on the situation, NOW is the time to plan for the disposition of YOUR radio equipment.

1)Create and maintain an inventory of equipment, showing initial purchase price and realistic, current resale value.

2)Designate a knowledgeable ham (or Palomar ARC) who can assist the family with the disposition of the equipment. 3)Provide written instructions if specific items of equipment are to be given to family members, friends, PARC, or schools.

By devoting a little time to organization, we can be of immeasurable help to our heirs, and be confident our radio collection will be handled as we would wish. de KC5PF via Ham News Outlet, P.O.Box 1921 Broken Arrow, OK 74013.

- BK -

INTERFERENCE: IGNORE it. Don't give the jammer what he or she craves - notice and attention. Carry on your QSO or sign off or move to simplex, but do NOT acknowledge the crazies. At the same time, try to hear the interfering signal on the input of the repeater and, if possible, determine the direction of the source. You can also move "up one" to 147.130 to complete your contact.

- BK -

EARS T-HUNTS: Contact Jo-KB6NMK for latest information. Hunt freq. is 146.565 at 0900 in Escondido or Rancho Bernardo on the 3rd Saturday of the month. Check 146.880 when near Escondido for more info. If you are just getting started, ride along with an "experienced" T-hunter. Contact Jo-KB6NMK or Carl-N6WLX in Escondido for more information

- BK -

N6IE sends a note on info from THE SAN DIEGO UNION indicating that the FCC is proposing a "finders-keepers" licensing system to encourage business radio users to ferret out underutilized or vacant channels on the nation's crowded airwaves. Those who "find" unused frequencies would be rewarded with a license to the channels, as long as the finders meet minimum eligibility requirements. Well, here we are again: "Use it or loose it."

- BK -

SWAPMEETS: Contact a club member about Saturday swap meets: Santee-1st, Cucamonga-2nd, Chatsworth-3rd, and TRW-last.

- BK -

HAM CALL LICENSE PLATES: current registration, Application for Amateur Radio Call Letter License Plate (Reg441-rev8/83), FCC License, surrender old plates, pay $21 +$1 for reflectorized plate. Comments: no trailers, your name must be on registration, and $12 fee to transfer Ham plates to another car or must surrender plates.

- 73 W 9 F Q N -

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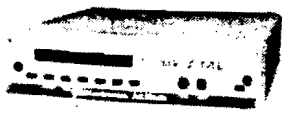

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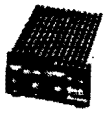

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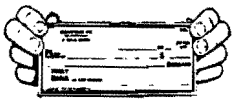
P A R C A P P L I C A T I O N Membership chairwoman: Jo Ashley, K B 6 N M K



Mail form WITH CHECK to PARC, P. O. Box 1603, Vista, CA 92085-1630 or hand your CHECK to Jo-KB6NMK, at club meetings. Dues (including SCOPE) are $12 a year plus $9 for each additional licensed family member. Dues are prorated for NEW members: Aug, Sep, Oct $12; Nov $9; Dec $8, Jan $7, Feb $6, Mar $5, Apr $4, May $3, Jun $2, Jul $1. Old members (1yr) $12. Consider paying for two or three years at a time. Call, name, and complete address are required. Telephone number may be un-unlisted in roster if requested. Other information requested below may be omitted if you feel uncomfortable providing it to the club. Complete and cut on dashed lion - or COPY.

Call_____ Name_____

License Home

Expires_____ Address_____

License 1st 5 +4

Class_____ City_____ State____ Zip_____-_____

Old Calls _____ Home Phone # _____ Work Phone # _____

(ie., pg 8, D6)

Year 1st licensed_____ Birth date_____ Thomas Brothers location, page #_____ coord_____

Names & call of family members in PARC _____

Comments :

ARRL____ RACES____ ARES____ Red Flag____ Blood donor____ Type____ Interests:_____

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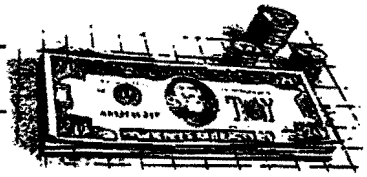

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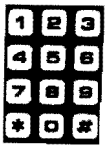

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